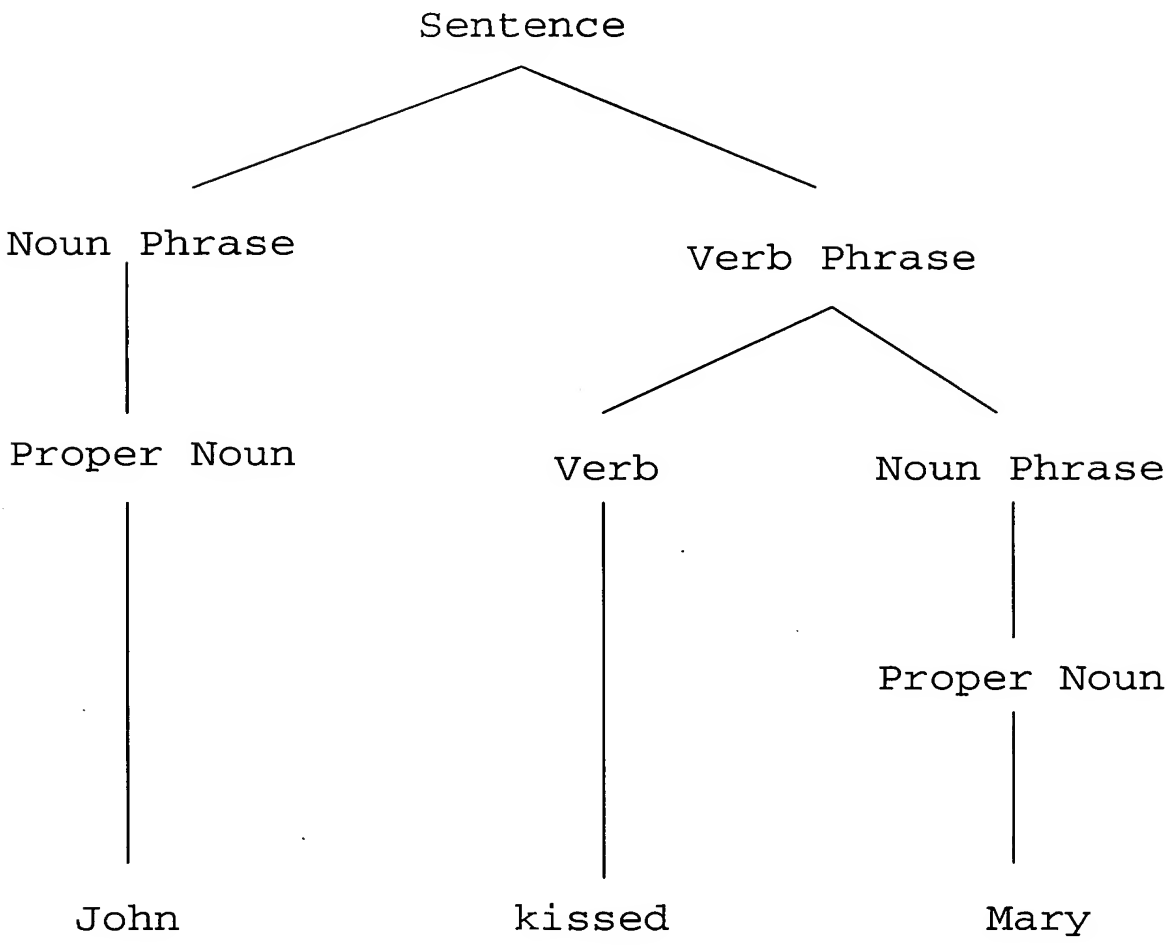
Sentence
Noun Phrase
Verb Phrase
Proper Noun
Verb
Noun Phrase
Proper Noun
John
kissed
Mary

FIGURE 1

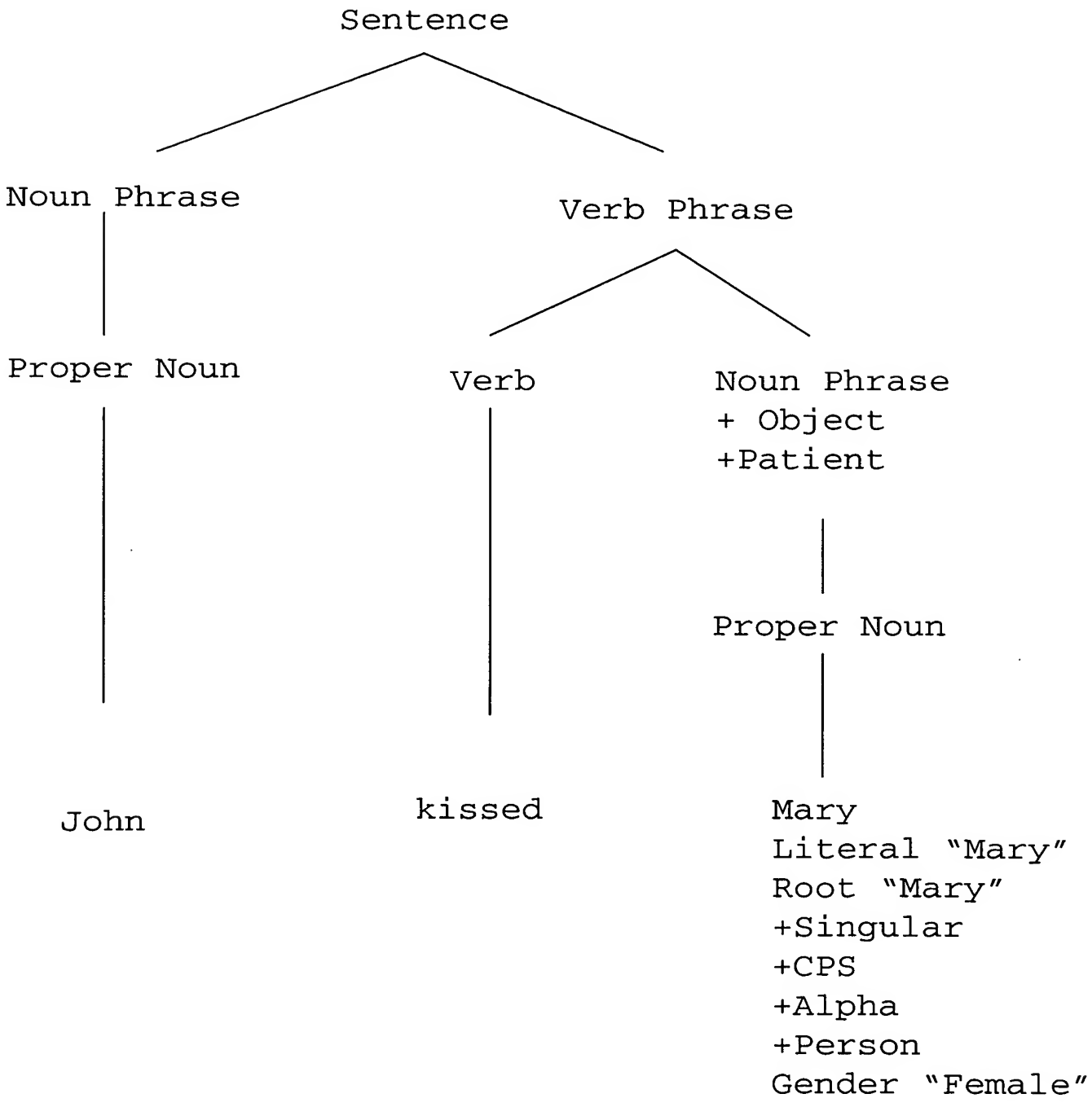
Sentence
Noun Phrase
Verb Phrase
Proper Noun
Verb
Noun Phrase
+ Object
+Patient
Proper Noun
John
kissed
Mary
Literal "Mary"
Root "Mary"
+Singular
+CPS
+Alpha
+Person
Gender "Female"

FIGURE 2

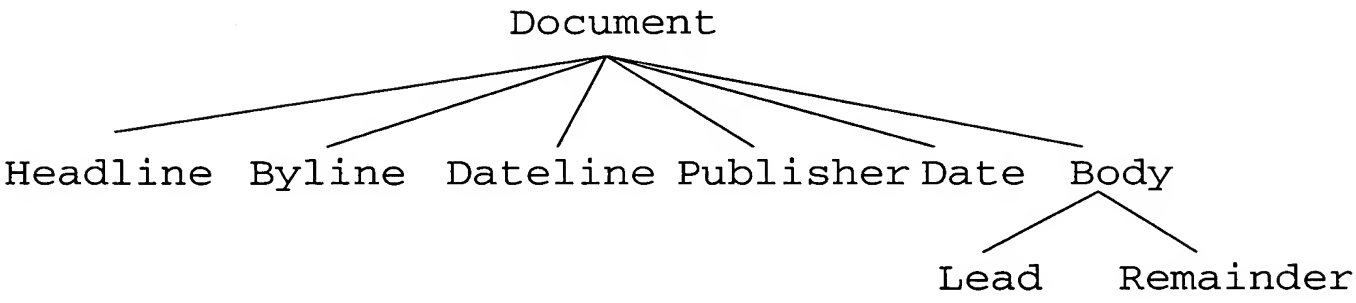

FIGURE 3

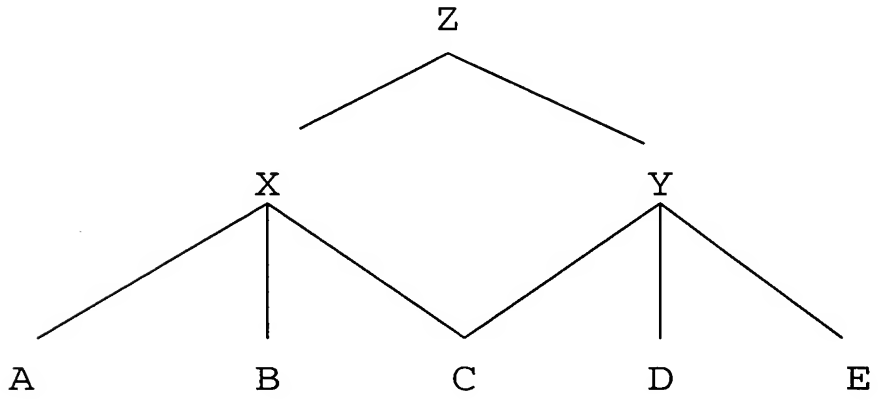

FIGURE 4

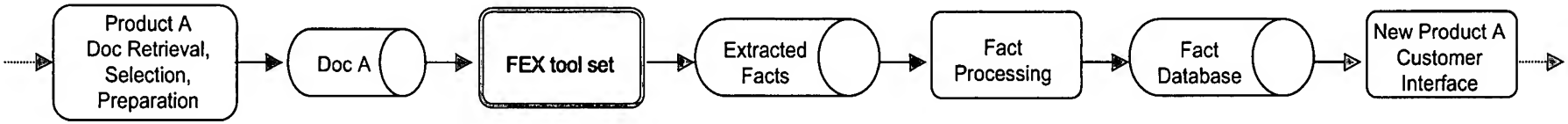

FIGURE 5

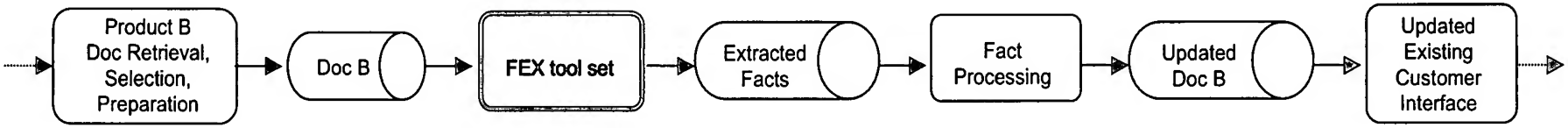

FIGURE 6

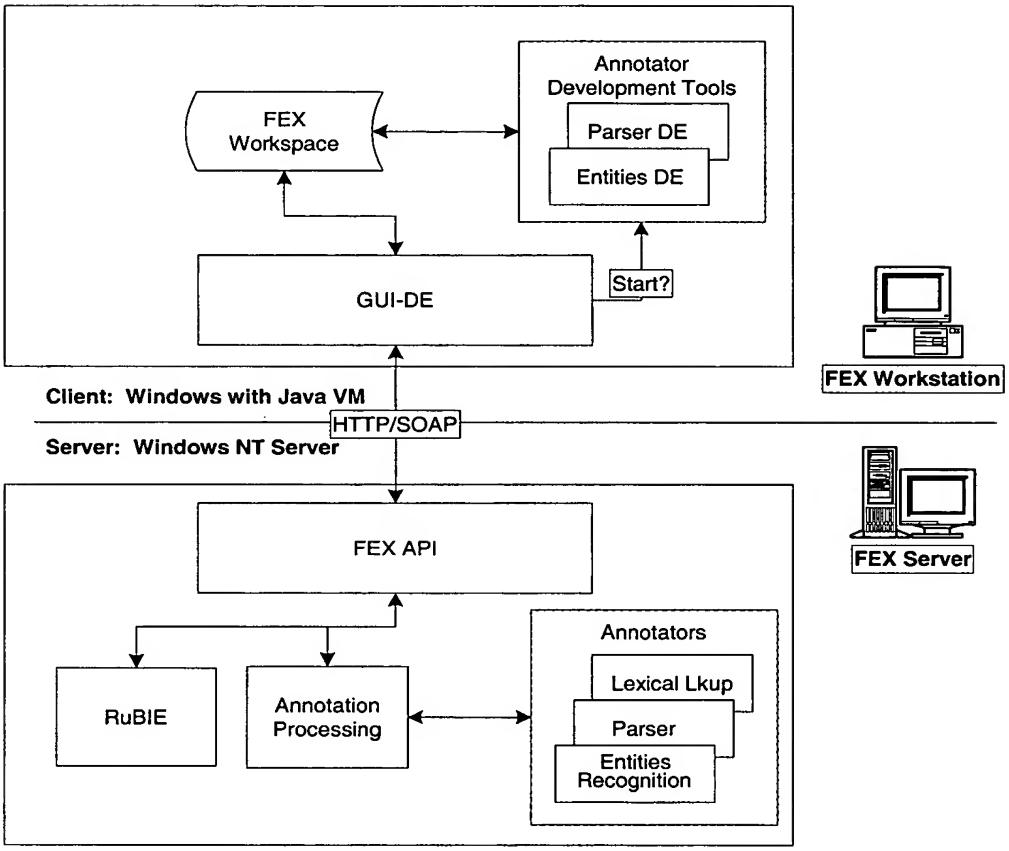
Annotator
Development Tools
Parser DE
Entities DE
FEX
Workspace
GUI-DE
Start?
FEX Workstation
Client: Windows with Java VM
HTTP/SOAP
Server: Windows NT Server
FEX Server
FEX API
Annotators
Lexical Lkup
Parser
Entities
Recognition
RuBIE
Annotation
Processing

FIGURE 7

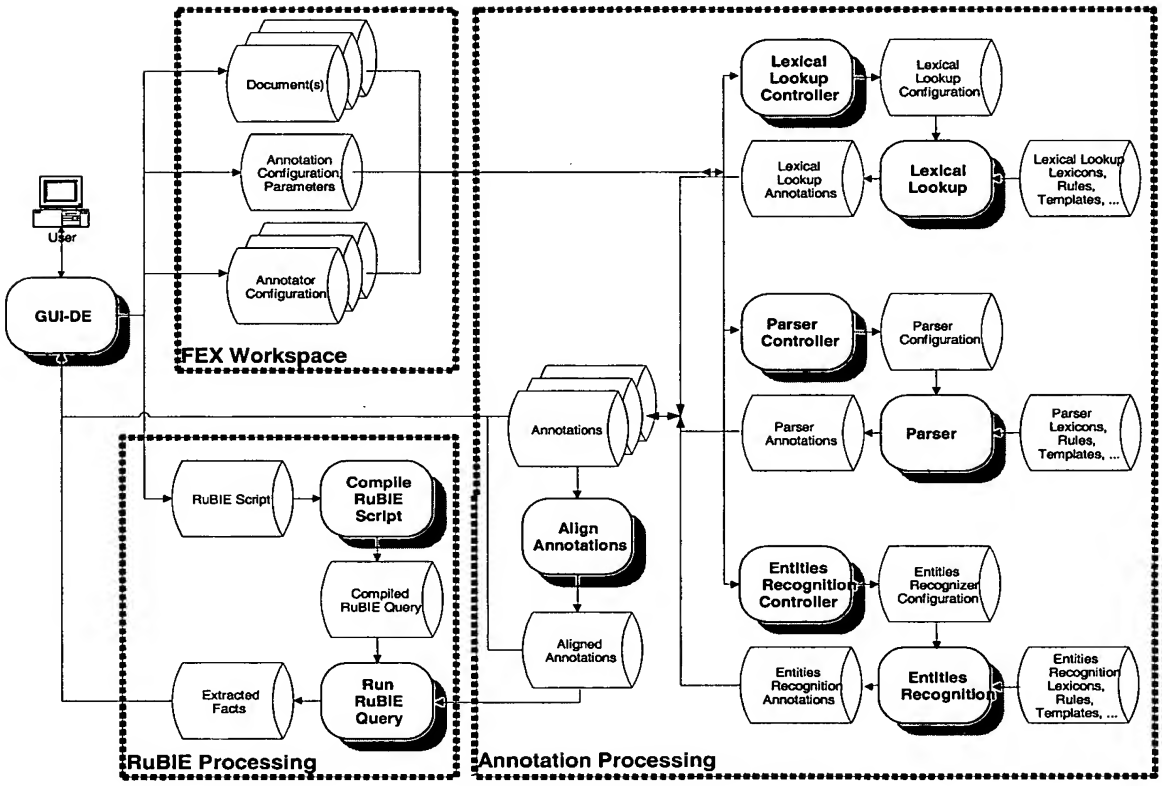
User
GUI-DE
Document(s)
Annotation Configuration Parameters
Annotator Configuration
GATE Workspace
RuBIE Script
Compile RuBIE Script
Compiled RuBIE Query
Run RuBIE Query
Extracted Facts
RuBIE Processing
Annotations
Align Annotations
Aligned Annotations
Lexical Lookup Controller
Lexical Lookup Configuration
Lexical Lookup Annotations
Lexical Lookup
Lexical Lookup Lexicons, Rules, Templates, ...
Parser Controller
Parser Configuration
Parser Annotations
Parser
Parser Lexicons, Rules, Templates, ...
Entities Recognition Controller
Entities Recognizer Configuration
Entities Recognition Annotations
Entities Recognition
Entities Recognition Lexicons, Rules, Templates, ...
Annotation Processing

FIGURE 8